CyberPower

SMART APP SERIES

# *OL1500RTXL2U*

For mission-critical enterprise applications requiring maximum power protection.

**KEY FEATURES:**

- 1000VA/1350W
- Double-Conversion Topology
- Selectable Output - 100, 110, 115, 120, 125V - 50/60 Hz
- LCD Control Panel with Removable Display Option
- GreenPower UPS™ ECO Mode
- 2U Rack/Tower Form Factor
- Extended Battery Module Options with Fast Charge Technology
- SNMP/HTTP Remote Management
- 8 Outlets / USB, Serial, EPO and Dry Contact Ports
- PowerPanel® Business Edition

**Runtimes:**
**3 Minutes at Full-load**
**9 Minutes at Half-load**

CyberPower's patented GreenPower UPS™ technology reduces UPS energy costs up to 75%! Save money and help reduce carbon emissions.

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The CyberPower Smart App Online OL1500RTXL2U rack/tower uninterruptible power supply (UPS) with LCD control panel and pure sine wave output safeguards mission-critical servers, data center and telecom equipment, VoIP and internetworking hardware that require seamless power correction. Its Double-Conversion topology is generator compatible and delivers consistent and clean AC power with zero transfer time, protecting connected equipment and preventing costly business interruptions. Auto-bypass insures connected equipment continues to operate seamlessly when an overload or internal fault is detected.

Configurable GreenPower UPS™ ECO Mode improves UPS efficiency to 93% and reduces electrical and cooling costs. Smart Battery Management (SBM) uses a 3 cycle charging mode to improve battery life while reducing heat being generated.

A Three-Year Warranty ensures that this UPS has passed our highest quality standards in design, assembly, material or workmanship and further protection is offered by a $400,000 Connected Equipment Guarantee.

**FEATURES & BENEFITS:**

**Double-Conversion & Pure Sine Wave Output** – The OL1500RTXL2U with Double-Conversion topology provides continuous pure sine wave output with zero transfer time by converting utility AC power to DC power and inverting it back to pure sine wave AC output. The output power is identical to or cleaner than the power from the utility company grid, free of harmonic distortion and electrical noise, resulting in optimal line clarity.

**LCD Control Panel** – With 43 different settings, the innovative LCD interface enables users to check UPS status, manage setup & control and run testing options. Status and log menus provide UPS vitals including input & output voltage levels, battery information, runtime estimates, load information, event and fault logging and other system information. The Configuration menu offers IT managers the ability to customize their OL1500RTXL2U UPS to their specific parameters of operation including output voltage, sync frequency, alarm settings and other parameters. The Test menu enables self testing to insure your UPS is operating correctly.

**Removable LCD Control Panel** – The LCD control panel on the OL1500RTXL2U can be removed and relocated for easy viewing by using a DB26 cable (sold separately) that can be attached to the front of the UPS. This feature provides easy access to view, up to 10 ft. away, status or change settings on the UPS when it's installed in a hard to reach area such as the bottom of a rack, in a crowded IT closet, or on the floor.

**GreenPower UPS™ Eco Mode** – The OL1500RTXL2U can be placed into an ECO mode that places the UPS into a bypass state with a user selectable voltage range for switching back to traditional Double-Conversion online mode. This mode improves the UPS efficiency from 90% to 93%. Cost savings are not only achieved by reducing energy consumption, but also by lowering the heat generated by the UPS.

**Extended Battery Module (EBM)** – The runtime of the OL1500RTXL2U can be extended by integrating additional EBM (BP36V60ART2U). The OL Series UPS can have up to ten modules added. With the easy to use LCD control panel, you can select the number of additional EBMs and it will provide the correct estimated run-time for your configuration. (For requirements beyond 10 EMBs, contact CyberPower Technical support for directions).

**Fast Charge Technology** – Each UPS and EBM (BP36V60ART2U) has its own built in charger that enables the UPS to recover its charge rapidly when utility power is restored. As a result, your charging time remains the same whether you add one EBM or ten modules.

**Smart Battery Management (SBM)** – SBM uses a 3-cycle charging mode that improves battery life and reduces heat generated. The first mode charges the battery to full, the second mode maintains the charge at max and the final mode turns the charger off and allows the battery to "rest". After a slight discharge, the UPS will restart the cycle ensuring runtimes are maintained.

**PowerPanel® Business Edition UPS Management Software** – This software suite manages the power for all servers and computers supported by the UPS on a network. Features include application/OS shutdown, event logging (power, surge and voltage variations), hibernation mode, internal reports and analysis, as well as remote management capability for comprehensive power control.

**Windows Compatibility** – Our PowerPanel power management software has been fully tested and is compatible with Windows 2000, 2003, XP 32/64, Vista 32/64, 7 and Server 2008.

**Linux & Virtual Machine OS Compatibility** – PowerPanel power management software has been fully tested and is compatible with most mainstream brands of Linux and many of the popular versions of Virtual Machine Operating Systems such as VMware ESX / ESXi and Citrix.

**Critical & Noncritical Loads** – The UPS has two banks of outlets that can be configured so that the noncritical loads shut off after a set time frame to provide additional runtime for the critical load outlet. Users can prioritize their equipments runtimes to maximize the output of the UPS to meet their power requirements.

**Emergency Power Off (EPO)** – The EPO port can be connected to a master power switch allowing the power to be cut to the UPS in the event of an emergency.

**Generator Compatible** – When connected to a generator, the UPS can have the generator mode enabled so the UPS continues to receive input power, even when the generator output frequency is less than stable. The UPS will take the unstable input power and distribute it to connected equipment in pure sine wave output that is free of harmonics and distortion.

**Converter Mode** – With OL1500RTXL2U, IT managers have the flexibility to set the output frequency, regardless of the input frequency, to match their connected equipment by selecting a 50Hz or 60Hz output on the LCD control panel.

**Multiple Language Options** – The OL1500RTXL2U LCD control panel can be configured in English, Spanish and French for ease of use.

**USB & Serial Connectivity** – HID compliant USB port and Serial port enables full integration with built-in power management and auto shutdown features of Windows, Linux and VMware.

**EMI/RFI Filters** – Filters against electromagnetic interference and radio frequency interference ensuring clean power for connected equipment.

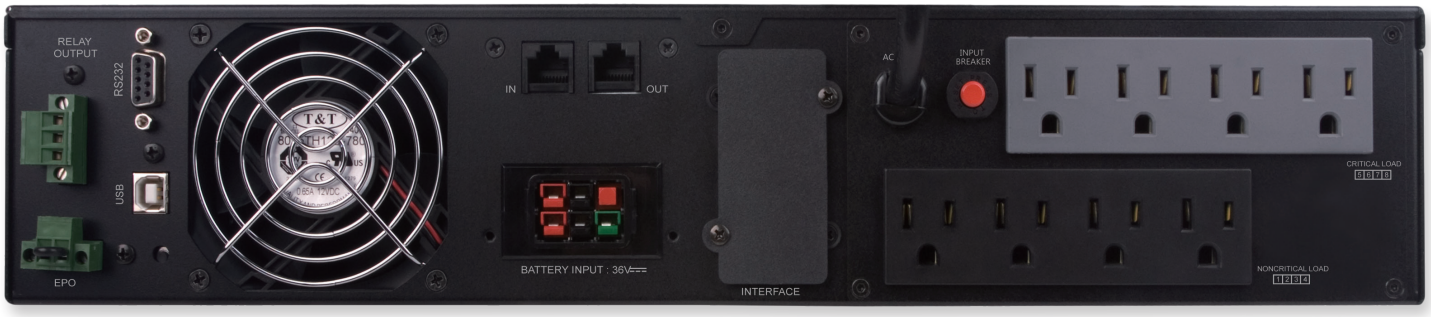
**Audible Alarms** – Distinctive tones identify when the unit is running on battery power, if it is overloaded, or when the battery is low.

**Resettable Circuit Breakers** – Convenient unit reset switch in case of an overload.

**3-Year Warranty** – Stringent manufacturing processes and innovative product design enables CyberPower to offer one of the strongest warranties in our industry. CyberPower will repair or replace damaged units within three (3) years of purchase date.

**Technical Support** – CyberPower will assist customers with any product, installation, or warranty concerns.

**ISO & Safety Certifications** – All CyberPower manufacturing facilities are state-of-the-art and ISO-9001 Quality Tested. Our products are certified by the FCC, cUL and UL.



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## OL1500RTXL2U SPECIFICATIONS

| | |
|---|---|
| **GENERAL** | |
| **UPS Topology** | Double-Conversion |
| **Energy Saving** | Yes - ECO Mode Efficiency >93% |
| **INPUT** | |
| **Voltage** | 100Vac – 125Vac |
| **Input Voltage Range** | 60Vac – 69Vac for 0-60% Load,<br>70Vac – 79Vac for 0-70% Load,<br>80Vac – 89Vac for 0-80% Load,<br>90Vac – 95Vac for 0-90% Load,<br>96Vac – 150Vac for 0-100% Load |
| **Input Frequency Range** | 40Hz – 70Hz (auto-sensing) |
| **Input Power Factor** | 0.99 |
| **Cold Start** | Yes |
| **Plug Type** | NEMA 5-15P |
| **Cord Length** | 10' |
| **OUTPUT** | |
| **VA** | 1,500 |
| **Watts** | 1,350 |
| **On Battery Waveform** | Sine Wave |
| **On Battery Voltage** | 100, 110, 115, 120, 125Vac (Configurable) ± 2% |
| **On Battery Frequency** | 50/60Hz (Auto-Sensing or Configurable) ±0.25Hz |
| **Overload Protection** | Line Mode: 105~125% Load for 1 min, 126~150% Load for 10 sec, Battery Mode: 105~130% Load for 10 sec, 131~150% Load for 2 sec |
| **Outlets - Total** | 8 |
| **Outlet Type** | NEMA 5-15R (8) |
| **Rated Power Factor** | 0.9 |
| **Crest Factor** | 3:01 |
| **Harmonic Distortion** | THD < 3% at Linear Load,<br>THD < 5% at Non-linear Load |
| **ECO Mode Voltage Regulation** | ±10%, ±15% (Configurable) |
| **Bypass** | Internal Bypass (Automatic and Manual) |
| **Transfer Time** | 0ms |
| **BATTERY** | |
| **Runtime at Half Load (min)** | 9 |
| **Runtime at Full Load (min)** | 3 |
| **Battery Type** | Sealed lead-acid |
| **Battery Size** | 12V/9AH |
| **User Replaceable** | Yes |
| **Hot-Swappable** | Yes |
| **Typical Recharge Time** | 5 Hours |
| **Replacement Battery** | RB1290X3 |
| **Battery Quantity** | 3 |
| **Extended Battery Module** | BP36V60ART2U |
| **Smart Battery Management (SMB) Mode** | Yes |
| **SURGE PROTECTION & FILTERING** | |
| **Surge Suppression** | Network Grade Surge Protection |
| **Phone / Ethernet RJ11 / RJ45** | 1-In, 1-Out (Combo) |
| **EMI/RFI Filtration** | Yes |

| | |
|---|---|
| **MANAGEMENT & COMMUNICATIONS** | |
| **LCD Control Panel** | 43 different settings or status options via the UPS Status menu , UPS Setup menu, and run Testing menus. |
| **Rotatable LCD Control Panel Option** | Yes |
| **Removable LCD Control Panel Option** | Yes - Requires a separate DB26 Cable |
| **HID Compliant USB Port** | Yes |
| **Serial Port** | Yes |
| **EPO Port** | Yes |
| **Dry Contacts** | Yes |
| **Management Cable** | USB Cable, Serial Cable, Phone line |
| **LED Indicators** | Power On (Blue), Line Mode (Green), Battery Mode (Yellow), Bypass Mode (Yellow), Fault (Red), Replace Battery (Red) |
| **Audible Alarms** | Battery Mode, Battery Low, Overload, UPS Fault, Replace Battery |
| **Software** | PowerPanel® Business Edition |
| **SNMP / HTTP Remote Monitoring** | Yes - Optional RMCARD302 |
| **PHYSICAL** | |
| **Rack Size** | 2U |
| **Form Factor** | Rack/Tower |
| **Enclosure Contruction** | Steel |
| **Mounting Hardware** | Included |
| **Dimensions (WxHxD) (in.)** | 17 x 3.5 x 16.9 |
| **Dimensions (WxHxD) (mm.)** | 433 x 88 x 430 |
| **Weight (lbs.)** | 18 |
| **Weight (kg.)** | 18 |
| **Shipping Dimensions (WxHxD) (in.)** | 21.65 x 9.45 x 23.23 |
| **Shipping Dimensions (WxHxD) (mm.)** | 550 x 240 x 590 |
| **Shipping Weight (lbs.)** | 53.9 |
| **Shipping Weight (kg.)** | 24.4 |
| **ENVIRONMENTAL** | |
| **Operating Temperature** | 32 °F to 104 °F / 0 °C to 40 °C |
| **Operating Humidity** | 0% – 90% non-condensing |
| **Operating Elevation** | 0 – 10000 feet (0 – 3000 meters) |
| **Storage Temperature** | 5 °F to 113°F / -15°C to 45 °C |
| **Storage Relative Humidity** | 0% – 95% non condensing |
| **Storage Elevation** | 0 – 50000 feet (0 – 15000 meters) |
| **Online Thermal Dissipation** | 750 BTU/hr |
| **Audible noise at 1.5M from surface of unit** | <50 dBA |
| **CERTIFICATIONS** | |
| **Certifications** | UL1778, CSA C22.2 NO.107.3-05, FCC DOC Class A |
| **RoHS** | RoHS Compliant |
| **WARRANTY** | |
| **Product Warranty** | 3 Years Limited |
| **Connected Equipment Guarantee** | Lifetime |
| **CEG Amount** | $400,000 |

CyberPower Systems, Inc. designs and manufactures state-of-the-art power protection and distribution equipment for corporate, business, home, government and educational markets. CyberPower leads the industry by surpassing customer expectations in the development, design, construction, durability and functionality of uninterruptible power supply (UPS) products for computers, peripherals and connected devices. CyberPower Systems operates in the Asian Pacific, North American, and European markets. For additional information, including sales office locations and authorized reseller partners, visit cpsww.com.

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